CLAIMS

What is claimed is:

1. A method of searching and playing back video data based on caption-based information, a user interface being provided to a user for inputting a search information, and the method searching and playing back a specific section of the video data according to the search information, the method comprising the steps of:

reading caption-based information of the video data;

establishing a search table based on the caption-based information;

reading a search information ;

searching the search table so as to find out the caption-based information matching to the search information ;

setting a play information; and

playing the video data according to the play information.

2. The method of claim 1, wherein the search table comprises at least one sentence and its corresponding starting play queue information.

3. The method of claim 2, wherein the starting play queue information is a time value.

4. The method of claim 2, wherein the starting play queue information is a data amount.

5. The method of claim 1, wherein the step of searching the search table includes the steps of:

listing at least one matching item matching the search information ; and

selecting one item from the matching item.

6. The method of claim 5, wherein each of the matching items comprises at least one word data and a time data.

7. The method of claim 5, wherein the matching item are displayed in a selection table.

8. The method of claim 7, wherein the selection table is provided for the user to make a selection.

9. The method of claim 1, wherein the user interface has an input field for the user to enter the search information.

10. A method of playing video data by word searching for a user to use a search key and the caption data of video data to search and play the video data on a video playing device, the method comprising the steps of:

reading in the caption data of the video data;

detecting the depression of the search key;

reading in the time data of the current video data; and

adjusting the video data playing.

11. The method of claim 10, wherein the caption data include a plurality of sentence data.

12. The method of claim 11, wherein each of the sentence data contains corresponding starting play queue information.

13. The method of claim 12, wherein each of the sentence data has an item-attribute.

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14. The method of claim 13, wherein the item-attribute is a seekable video location of numerical type.

15. The method of claim 12, wherein the step of adjusting the video data playing includes the steps of:

5   setting a play time according to the starting play queue information; and

           playing the video data according to the playtime.

16. The method of claim 15, wherein the step of setting a playtime according to the starting play queue information uses the starting play queue information of the previous sentence as the playtime.

10   17. The method of claim 15, wherein the step of setting a playtime according to the starting play queue information uses the starting play queue information of the next sentence as the playtime.